## 10/561022 IAP6 Rec'd PCT/PTO 16 DEC 2005

## SEQUENCE LISTING

<110>	Saito, Ta Shimosato Kitazawa	o, Takes	hi									
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SPO-124

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- Ala Leu Leu Gly Leu Gly Asn Leu Thr His Leu Ser Leu Lys Tyr Asn 195 200 205
- Asn Leu Thr Glu Val Pro Arg Ser Leu Pro Pro Ser Leu Glu Thr Leu 210 225 220
- Leu Leu Ser Tyr Asn His Ile Val Thr Leu Thr Pro Glu Asp Leu Ala 225 230 235 240
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- Cys Asp His Ala Arg Asn Pro Cys Arg Glu Cys Pro Lys Asp His Pro 260 265 270
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- Gly Leu Asp Arg Leu Gln Val Leu Asp Leu Ser Glu Asn Phe Leu Tyr 305 310 315
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- Leu Tyr Val Asp Leu Ser Asp Asn Arg Ile Ser Gly Ala Ala Arg Pro 420 425 430

- Val Ala Ile Thr Arg Glu Val Asp Gly Arg Glu Arg Val Trp Leu Pro 435 440 445
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- Ser Arg Val Lys Cys Gly Ser Pro Gly Gln Leu Gln Gly His Ser Ile
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- Met Leu His His Leu Cys Gly Trp Asp Leu Trp Tyr Cys Phe His Leu 835 840 845
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- Lys Thr Leu Phe Val Leu Ala His Thr Asp Arg Val Ser Gly Leu Leu 930 935 940
- Arg Ala Ser Phe Leu Leu Ala Gln Gln Arg Leu Leu Glu Asp Arg Lys 945 950 955 960
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- Pro His Gln Pro Arg Gly Gln Gly Ser Phe Trp Ala Gln Leu Gly Thr 995 1000 1005
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1567

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	atg aac ttc atc Met Asn Phe Ile 400	
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135

140

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- Pro Gln Leu His Pro Asp Thr Phe Ser His Leu Ser Arg Leu Glu Gly 275 280 285
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- Arg Gly Leu Gly Asn Leu Arg Val Leu Asp Leu Ser Glu Asn Phe Leu 305 310 315 320
- Tyr Lys Cys Ile Thr Lys Thr Lys Ala Phe Gln Gly Leu Thr Gln Leu 325 330 335
- Arg Lys Leu Asn Leu Ser Phe Asn Tyr Gln Lys Arg Val Ser Phe Ala 340 345 350
- His Leu Ser Leu Ala Pro Ser Phe Gly Ser Leu Val Ala Leu Lys Glu 355 360 365
- Leu Asp Met His Gly Ile Phe Phe Arg Ser Leu Asp Glu Thr Thr Leu 370 380
- Arg Pro Leu Ala Arg Leu Pro Met Leu Gln Thr Leu Arg Leu Gln Met 385 390 395 400
- Asn Phe Ile Asn Gln Ala Gln Leu Gly Ile Phe Arg Ala Phe Pro Gly
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- Leu Arg Tyr Val Asp Leu Ser Asp Asn Arg Ile Ser Gly Ala Ser Glu 420 425 430
- Leu Thr Ala Thr Met Gly Glu Ala Asp Gly Glu Lys Val Trp Leu
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- His Leu Gln Cys Leu Arg Leu Ser His Asn Cys Ile Ser Gln Ala Val 500 505 510
- Asn Gly Ser Gln Phe Leu Pro Leu Thr Gly Leu Gln Val Leu Asp Leu 515 520 525
- Ser His Asn Lys Leu Asp Leu Tyr His Glu His Ser Phe Thr Glu Leu 530 540
- Pro Arg Leu Glu Ala Leu Asp Leu Ser Tyr Asn Ser Gln Pro Phe Gly 545 550 555 560
- Met Gln Gly Val Gly His Asn Phe Ser Phe Val Ala His Leu Arg Thr 565 570 575
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- Gln Gln Leu Cys Ser Thr Ser Leu Arg Ala Leu Asp Phe Ser Gly Asn 595 600 605
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- Gln Gly Leu Ser Gly Leu Ile Trp Leu Asp Leu Ser Gln Asn Arg Leu 625 630 635 640
- His Thr Leu Leu Pro Gln Thr Leu Arg Asn Leu Pro Lys Ser Leu Gln 645 650 655
- Val Leu Arg Leu Arg Asp Asn Tyr Leu Ala Phe Phe Lys Trp Trp Ser 660 665 670
- Leu His Phe Leu Pro Lys Leu Glu Val Leu Asp Leu Ala Gly Asn Gln 675 680 685
- Leu Lys Ala Leu Thr Asn Gly Ser Leu Pro Ala Gly Thr Arg Leu Arg 690 695 700
- Arg Leu Asp Val Ser Cys Asn Ser Ile Ser Phe Val Ala Pro Gly Phe 705 710 715 720
- Phe Ser Lys Ala Lys Glu Leu Arg Glu Leu Asn Leu Ser Ala Asn Ala
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- Leu Lys Thr Val Asp His Ser Trp Phe Gly Pro Leu Ala Ser Ala Leu

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Asp Cys Phe Ala Leu Ser Leu Leu Ala Val Ala Leu Gly Leu Gly Val 820 825 830

Pro Met Leu His His Leu Cys Gly Trp Asp Leu Trp Tyr Cys Phe His 835 840 845

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Glu Asp Ala Leu Pro Tyr Asp Ala Phe Val Val Phe Asp Lys Thr Gln 865 870 875 880

Ser Ala Val Ala Asp Trp Val Tyr Asn Glu Leu Arg Gly Gln Leu Glu 885 890 895

Glu Cys Arg Gly Arg Trp Ala Leu Arg Leu Cys Leu Glu Glu Arg Asp 900 905 910

Trp Leu Pro Gly Lys Thr Leu Phe Glu Asn Leu Trp Ala Ser Val Tyr 915 920 925

Gly Ser Arg Lys Thr Leu Phe Val Leu Ala His Thr Asp Arg Val Ser 930 935 940

Gly Leu Leu Arg Ala Ser Phe Leu Leu Ala Gln Gln Arg Leu Leu Glu 945 950 955 960

Asp Arg Lys Asp Val Val Leu Val Ile Leu Ser Pro Asp Gly Arg 965 970 975

Arg Ser Arg Tyr Val Arg Leu Arg Gln Arg Leu Cys Arg Gln Ser Val 980 985 990

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				ctc Leu	_					92	28
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cca gag atg ttt Pro Glu Met Phe 490					1600
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aat gac att cat Asn Asp Ile His					1888
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										gtg Val			2464
										cag Gln 805			2512
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3294

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Ser Asp Phe Val His Leu Ser Asn Leu Arg Gln Leu Asn Leu Lys Trp 85 90 95

Asn Cys Pro Pro Thr Gly Leu Ser Pro Leu His Phe Ser Cys His Met 100 105 110

Thr Ile Glu Pro Arg Thr Phe Leu Ala Met Arg Thr Leu Glu Glu Leu 115 120 125

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- Leu Asn Met Asn Gly Ile Phe Phe Arg Ser Leu Asn Lys Tyr Thr Leu 370 375 380
- Arg Trp Leu Ala Asp Leu Pro Lys Leu His Thr Leu His Leu Gln Met 385 390 395 400
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- Lys Asn Phe Met Asp Arg Cys Lys Asn Phe Lys Phe Thr Met Asp Leu 465 470 475 480
- Ser Arg Asn Asn Leu Val Thr Ile Lys Pro Glu Met Phe Val Asn Leu 485 490 495
- Ser Arg Leu Gln Cys Leu Ser Leu Ser His Asn Ser Ile Ala Gln Ala 500 505 510
- Val Asn Gly Ser Gln Phe Leu Pro Leu Thr Asn Leu Gln Val Leu Asp 515 520 525
- Leu Ser His Asn Lys Leu Asp Leu Tyr His Trp Lys Ser Phe Ser Glu 530 535 540
- Leu Pro Gln Leu Gln Ala Leu Asp Leu Gly Tyr Asn Ser Gln Pro Phe

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Trp	Asp	Cys	Phe 820	Gly	Leu	Ser	Leu	Leu 825	Ala	Val	Ala	Val	Gly 830	Met	Val
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Gly Leu Leu Arg Thr Ser Phe Leu Leu Ala Gln Gln Arg Leu Leu Glu 945 950 955

Asp Arg Lys Asp Val Val Val Leu Val Ile Leu Arg Pro Asp Ala His 965 970

Arg Ser Arg Tyr Val Arg Leu Arg Gln Arg Leu Cys Arg Gln Ser Val 980 985

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						gtg Val										2610
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						gat Asp	_	_			_	_			_	2706
						gcg Ala 880										2754

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- Ser Asp Phe Val His Leu Ser Ser Leu Arg Arg Leu Asn Leu Lys Trp 85 90 95
- Asn Cys Pro Pro Ala Ser Leu Ser Pro Met His Phe Pro Cys His Met
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- Ala Asn Leu Ala Gly Leu His Ser Leu Arg Phe Leu Phe Leu Asp Gly 165 170 175
- Asn Cys Tyr Tyr Lys Asn Pro Cys Pro Gln Ala Leu Gln Val Ala Pro 180 185 190
- Gly Ala Leu Leu Gly Leu Gly Asn Leu Thr His Leu Ser Leu Lys Tyr 195 200 205
- Asn Asn Leu Thr Ala Val Pro Arg Gly Leu Pro Pro Ser Leu Glu Tyr 21.0 215 220
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- Ala Asn Leu Thr Ala Leu Arg Val Leu Asp Val Gly Gly Asn Cys Arg 245 250 255
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- Pro His Leu His Pro Asp Thr Phe Ser His Leu Asn His Leu Glu Gly 275 280 285
- Leu Val Leu Lys Asp Ser Ser Leu Tyr Asn Leu Asn Pro Arg Trp Phe 290 295 300
- His Ala Leu Gly Asn Leu Met Val Leu Asp Leu Ser Glu Asn Phe Leu

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